



## AMENDMENTS TO THE CLAIMS

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The following listing of claims will replace all prior versions and listings of claims in the application.

631 1. (Currently Amended) A magnetic material manufacturing method for manufacturing a ribbon-shaped magnetic material comprising:

colliding a molten alloy to a circumferential surface of the cooling roll so as to cool and then solidify the molten alloy, wherein the ribbon-shaped magnetic material has an alloy composition represented by the formula of  $R_x(Fe_{1-y}Co_y)_{100-x-z}B_z$  (where R is at least one rare earth element, x is 10-15 at%, y is 0-0.30 and z is 4-10 at%);

dividing dimples that are produced on a roll contact surface of the ribbon-shaped magnetic material which is in contact with the circumferential surface of the cooling roll with dimple correcting means, the dimple correcting means defined by at least one ridge that is formed by grooves in the circumferential surface of the cooling roll, wherein an average width of each groove is 0.5-90  $\mu m$  for preventing the molten alloy from entering the grooves and the ratio of the area of the grooves with respect to the area of the circumferential surface when they are projected on the same plane is in the range of 30 – 99.5%.

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2. (Original) The manufacturing method as claimed in claim 1, wherein the cooling roll includes a roll base and an outer surface layer provided on an outer peripheral portion of the roll base, and the outer surface layer has said dimple correcting means.

3. (Previously Amended) The manufacturing method as claimed in claim 1, wherein the outer surface layer of the cooling roll is formed of a material having a heat conductivity lower than the heat conductivity of the structural material of the roll base at room temperature.

4. (Original) The manufacturing method as claimed in claim 2, wherein the outer surface layer of the cooling roll is formed of a ceramic.

5. (Previously Amended) The manufacturing method as claimed in claim 2, wherein the outer surface layer of the cooling roll is formed of a material having a heat conductivity equal to or less than  $80 \text{ Wm}^{-1}\text{K}^{-1}$  at room temperature.

6. (Previously Amended) The manufacturing method as claimed in claim 2, wherein the outer surface layer of the cooling roll is formed of a material having a coefficient of thermal expansion in the range of  $3.5 - 18 [\times 10^{-6}\text{K}^{-1}]$  at room temperature.

7. (Original) The manufacturing method as claimed in claim 2, wherein an average thickness of the outer surface layer of the cooling roll is 0.5 to 50  $\mu\text{m}$ .

8. (Original) The manufacturing method as claimed in claim 2, wherein the outer surface layer of the cooling roll is manufactured without experiencing a machining process.

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9. (Cancelled)
10. (Previously Amended) The manufacturing method as claimed in claim 1, wherein the average width of the ridge is 0.5-90  $\mu\text{m}$ .
11. (Cancelled)
12. (Cancelled)
13. (Previously Amended) The manufacturing method as claimed in claim 1, wherein the average height of the ridge or the average depth of the groove is 0.5-20  $\mu\text{m}$ .
14. (Previously Amended) The manufacturing method as claimed in claim 1, wherein the ridge or groove is formed spirally with respect to the rotation axis of the cooling roll.
15. (Previously Amended) The manufacturing method as claimed in claim 1, wherein the at least one ridge or groove includes a plurality of ridges or grooves which are arranged in parallel with each other through an average pitch of 0.5-100  $\mu\text{m}$ .
16. (Previously Amended) The manufacturing method as claimed in claim 1, wherein the ratio of the projected area of the ridge or groove with respect to the projected area of the circumferential surface is equal to or greater than 10%.

17. (Original) The manufacturing method as claimed in claim 1, wherein the method includes a step for milling the ribbon-shaped magnetic material.

18.-31. (Cancelled)

B1

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